

ABSTRACT OF THE DISCLOSURE

5 The electronic surface mount package according to the present invention includes a one
piece construction package having end walls, a side wall and an open bottom; a plurality of
toroid transformers carried within the package by a soft silicone material wherein the toroid
transformers each have wires wrapped thereon; a plurality of terminal pins molded within and
extending from the bottom of the package wherein each of the pins extend through a bottom
portion of the side wall and have a notched post upon which the wires from said transformers are
10 wrapped and soldered thereon, respectively; and wherein the end walls have a first height H1 to
form a standoff or safe guard between the foot seating plane of the package and the terminal pins;
and wherein the outer portion of the side wall extends between the end walls such that the side
wall has a second height H2 which is less than said first height H1. The extended side retaining
wall provides for improved containment of the soft silicone material within the package. The
15 extended side retaining wall also provides for improved coverage of the wire wrapped solder
posts. In addition, since the height H2 of the extended side retaining wall is less than the height
H1 of the safe guard, the mounting of the package onto a printed circuit board with the extended
side retaining wall allows for cleaning of the PCB with wash liquids which can flow freely under
the package under the portion of the extended side wall which is less in height than the height of
20 the safeguard ($H1 < H2$).